

M101AD-EX

10.1" Windows ATEX Rugged Tablet with Intel® Core™ i5-1235U



KEY FEATURES

- Intel® Core™ i5-1235U Alder Lake processor
- 10.1" 1920 x 1200 IPS LED Panel with direct optical bonding
- Sunlight readable with antiglare solution
- Allows cross-zone operations in hazardous and explosive environments
- Ex Certificate: Class I Division 2 (CID2), ATEX/IECEx Zone 2
- USB Type C port support PD 3.0 and ALT mode

INTRODUCTION

The Winmate ATEX Rugged Tablet Series is made for dangerous and explosive places. It provides reliable performance and supports different operating systems, like Windows and Android. Featuring sunlight-readable displays with direct optical bonding, IP65-rated protection, and MIL-STD compliance, these tablets ensure durability and usability in challenging conditions. Certified for Class I Division 2 (CID2) and ATEX/IECEx Zone 2, they enable seamless cross-zone operations. Hot-swappable batteries and versatile connectivity enhance productivity across industrial and field applications.

SPECIFICATIONS

Display

Resolution	1920x1200	Size	10.1 inches
Contrast Ratio	800:1	Panel Brightness	800.0 nits
View Angles	85,85,85,85	Type	Projected Capacitive Multi Touch
Viewability	Anti-Glare touch treatment	Bonding	Optical Bonding for Sunlight Viewability

System Specification

Processor	Intel Core i5-1235U (up to 4.4GHz)	Memory	8GB DDR5 SDRAM 16GB DDR5 SDRAM (Optional) 32GB DDR5 SDRAM (Optional)
Storage	256GB M.2 NVMe SSD Additional storage available with micro SDXC card slot 512GB M.2 NVMe SSD (Optional) 1TB M.2 NVMe SSD (Optional) 2TB M.2 NVMe SSD (Optional)	Security	Trusted Platform Module (TPM) 2.0 Kensington Lock
Operating System	Windows 11 IoT Enterprise LTSC (64 bit) Windows 10 IoT Enterprise LTSC (64 bit) (Optional)	WLAN	Support
BT	Support	WWAN	4G LTE (Optional) 5G (Optional)
GNSS	GPS, GLONASS	RFID	HF RFID reader 13.56 MHz (Optional)
Sensors	Light sensor/ G-sensor / Gyro		

Camera

Front Camera	2MP Front Camera	Rear Camera	8MP Rear Camera with auto-focus and LED light
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Mechanical

Dimension	271.5 x 198.2 x 23.3 mm	Weight	1.2 kg
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Cooling System Fan Design

IO Ports

USB Port	1 x USB 3.0 (Type A), 1 x USB 3.0 (Type-C support Power Delivery 20W In and ALT mode)	SD Card Slot	1 x Micro SDXC slot
SIM Card Slot	1 x Nano SIM card slot	Audio	1 x Audio combo 3.5mm audio combo jack Dual Digital Mic With Noise Cancellation Dual Speaker
LAN	1 x RJ45-10/100/1000 GigaLAN port	Indicator	4x LED Indicator for Power, Battery, HDD, RF status
Docking Connector	1 x 19-pin docking connector		

Environment

Operating Humidity	10% to 90% RH, non-condensing	Operating Temperature	-10°C to 50°C
Storage Temperature	-30°C to 70°C (-22°F to 158°F)	Shock	MIL-STD-810H Method 516.8 Procedure I
Vibration	MIL-STD-810H Method 514.8 Procedure I	IP rating	IP65
Drop	MIL-STD-810H Method 516.8 4 ft		

Certification

Certification CE, FCC
Hazardous Location Safety:
IECEX Class I, Zone 2, Ex ic IIC T4 Gc
ATEX Class I, Zone 2, II 3G Ex ic IIC T4 Gc
Class I, Division 2, Groups A, B, C, D, T4

Security Function

SOTI MobiControl	SOTI MobiControl Compliance	Kensington Lock	Kensington Lock Support
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Control

Button 1 x Power, 1 x Home
2 x volume key
2 x Programmable function Keys

Power

Battery	Hot-swappable 11.55V, typ. 4558 mAh Li-Polymer Battery (3S2P)	Battery Operating Time	Standard. Battery: 8 hours
Power Rating	19V DC	Adapter	100-240V, 50-60Hz / 19V DC

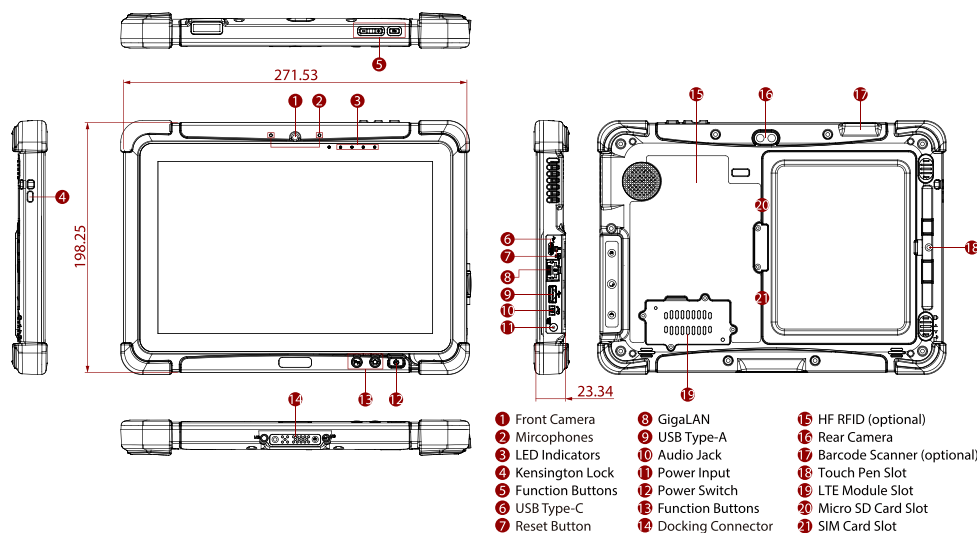
Accessory

Accessory	Adapter and Power Cord Capacitive Stylus Standard Battery	Optional Accessory	Desk Dock (Optional) Vehicle Dock (without VGA output) (Optional) Vehicle Cradle (Optional) Vehicle Charger (Optional) Hand Strap (Optional) Shoulder Strap (Optional) Carry Bag (Optional)
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Barcode Scanner

Barcode Scanner 1D/2D barcode reader (Optional)

DIMENSIONS UNIT:MM



NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. Please contact our sales representative if you need further product information.
3. All specifications are subject to change without prior notice.
4. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.